

Front-End UI/UX Mini Projects

Event Countdown Landing Page Report

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Course: LnT Front End UI/UX

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1. Abstract

This project involves building a visually engaging static event countdown landing page for a fictional conference or product launch. The primary objective was to implement animated countdown timers using CSS keyframes while maintaining a clean and fully responsive layout. HTML5 and CSS3 were used to structure and style the page, which includes speaker profiles, a schedule timeline, and a hero countdown section. The final output is a static yet dynamic-feeling webpage that informs visitors of the event and creates anticipation using engaging visual elements.

2. Objectives

- Create a user-focused landing page for an upcoming event
- Design a full-screen responsive layout using vh/vw units
- Implement animated countdown timers using CSS @keyframes
- Highlight key event details including schedule and speaker bios
- Ensure clean UI with accessible typography and visuals

3. Scope of the Project

- Focused solely on front-end (no JavaScript or backend logic)
- Targeted for desktop, tablet, and mobile devices
- Used only HTML5 and CSS3 for structure and styling
- Included static features such as countdown, speaker list, and event schedule

4. Tools & Technologies Used

- HTML5: Markup and content structure
- CSS3: Styling, layout, and animation
- VS Code: Development and editing

- Chrome DevTools: Responsive testing and debugging

5. HTML Structure Overview

- Semantic tags used: <header>, <main>, <section>, <footer>
- Sections: Countdown Hero, About Event, Speakers, Schedule, Contact
- Countdown structured with <div> blocks styled using CSS animations
- Speaker and schedule content built using grid or flexbox containers

6. CSS Styling Strategy

- CSS keyframes for countdown animation
- Viewport-based units (vh, vw) for full-screen responsiveness
- Flexbox/Grid for aligning speaker profiles and schedule sections
- Hover effects for speaker cards
- Consistent typography and visual hierarchy

7. Key Features

- Countdown Timer: Animated with CSS only using @keyframes
- Full-Screen Layout: Uses vh and vw for adaptive sections
- Speaker Profiles: Circular images, names, and bio sections
- Schedule Timeline: Vertical layout highlighting session slots
- Mobile Responsive: Content adapts for phones and tablets using Flex

8. Challenges Faced & Solutions

- Countdown animation syncing: Used consistent keyframe duration
- Speaker layout breaking on mobile: Added media queries for responsive grid/flex
- Overflow issues in hero section: Adjusted padding and text scaling

9. Outcome

- Successfully built a static, visually-rich landing page using only HTML and CSS
- Implemented CSS-only animations effectively
- Ensured mobile responsiveness with minimal media queries
- Gained strong understanding of vh/vw, keyframes, and layout planning

10. Future Enhancements

- Integrate JavaScript to make countdown functional
- Add interactive RSVP or “Add to Calendar” buttons
- Use animation libraries or SVG for enhanced motion
- Introduce theme variants (dark/light mode)

11. Sample Code

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8" />
5   <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
6   <title>Event Countdown</title>
7   <style>
8     * {
9       margin: 0;
10      padding: 0;
11      box-sizing: border-box;
12      font-family: 'Segoe UI', sans-serif;
13    }
14
15    body {
16      overflow-x: hidden;
17    }
18
19    section {
20      width: 100vw;
21      height: 100vh;
22      padding: 2rem;
23      color: white;
24      display: flex;
25      flex-direction: column;
26      align-items: center;
27      justify-content: center;
28    }
29
30    /* === Countdown Section === */
31    #countdown {
32      background: #1a1a2e;
33    }
34
35    .timer {
36      display: flex;
37      gap: 2rem;
38      font-size: 3rem;
39    }
40
41    .timer div {
42      text-align: center;
43    }
44
45    .timer span {
46      display: block;
47      font-size: 1rem;
48      margin-top: 0.5rem;
49      color: #ddd;
50    }
51
52    /* === Speakers Section === */
```

```

53     #speakers {
54         background: #16213e;
55     }
56
57     .speakers-grid {
58         display: flex;
59         gap: 2rem;
60         flex-wrap: wrap;
61         justify-content: center;
62     }
63
64     .speaker {
65         width: 200px;
66         text-align: center;
67     }
68
69     .speaker img {
70         width: 120px;
71         height: 120px;
72         object-fit: cover;
73         border-radius: 50%;
74         border: 4px solid #fff;
75     }
76
77     .speaker h3 {
78         margin: 0.8rem 0 0.3rem;
79     }
80
81     .speaker p {
82         font-size: 0.9rem;
83         color: #ccc;
84     }
85
86     /* === Schedule Section === */
87     #schedule {
88         background: #0f3460;
89     }
90
91     .timeline {
92         border-left: 3px solid #fff;
93         padding-left: 2rem;
94     }
95
96     .event {
97         margin: 2rem 0;
98         position: relative;
99     }
100
101     .event::before {

```

```

101     .event::before {
102         content: '';
103         width: 20px;
104         height: 20px;
105         background: #fff;
106         border-radius: 50%;
107         position: absolute;
108         left: -11px;
109         top: 5px;
110     }
111
112     .event h4 {
113         margin: 0;
114     }
115
116     .event p {
117         font-size: 0.9rem;
118         color: #ddd;
119     }
120
121     /* Responsive */
122     @media (max-width: 600px) {
123         .timer {
124             font-size: 2rem;
125             gap: 1rem;
126         }
127
128         .speakers-grid {
129             flex-direction: column;
130             align-items: center;
131         }
132     }
133 </style>
134 </head>
135 <body>
136
137     <!-- Countdown Section -->
138     <section id="countdown">
139         <h1>🚀 Launch In:</h1>
140         <div class="timer" id="timer">
141             <div><span id="days">00</span><span>Days</span></div>
142             <div><span id="hours">00</span><span>Hours</span></div>
143             <div><span id="minutes">00</span><span>Minutes</span></div>
144             <div><span id="seconds">00</span><span>Seconds</span></div>
145         </div>
146     </section>
147
148     <!-- Speakers Section -->
149     <section id="speakers">

```

```

149 <section id="speakers">
150   <h2>👤 Speakers</h2>
151   <div class="speakers-grid">
152     <div class="speaker">
153       
154       <h3>Jane Doe</h3>
155       <p>AI Researcher at TechCorp</p>
156     </div>
157     <div class="speaker">
158       
159       <h3>John Smith</h3>
160       <p>CTO at DevSolutions</p>
161     </div>
162   </div>
163 </section>
164
165 <!-- Schedule Section -->
166 <section id="schedule">
167   <h2>🕒 Schedule</h2>
168   <div class="timeline">
169     <div class="event">
170       <h4>10:00 AM 🕒 Opening Remarks</h4>
171       <p>Host welcomes attendees and outlines the day's agenda.</p>
172     </div>
173     <div class="event">
174       <h4>11:00 AM 🕒 Keynote: The Future of AI</h4>
175       <p>Jane Doe discusses upcoming trends in artificial intelligence.</p>
176     </div>
177     <div class="event">
178       <h4>2:00 PM 🕒 Developer Panel</h4>
179       <p>Interactive session with industry experts.</p>
180     </div>
181   </div>
182 </section>
183
184 <script>
185   // Countdown Logic
186   const launchDate = new Date("2025-12-31T00:00:00").getTime();
187
188   const timer = () => {
189     const now = new Date().getTime();
190     const gap = launchDate - now;
191
192     const second = 1000;
193     const minute = second * 60;
194     const hour = minute * 60;
195     const day = hour * 24;
196
197     const d = Math.floor(gap / day);
198     const h = Math.floor((gap % day) / hour);

```

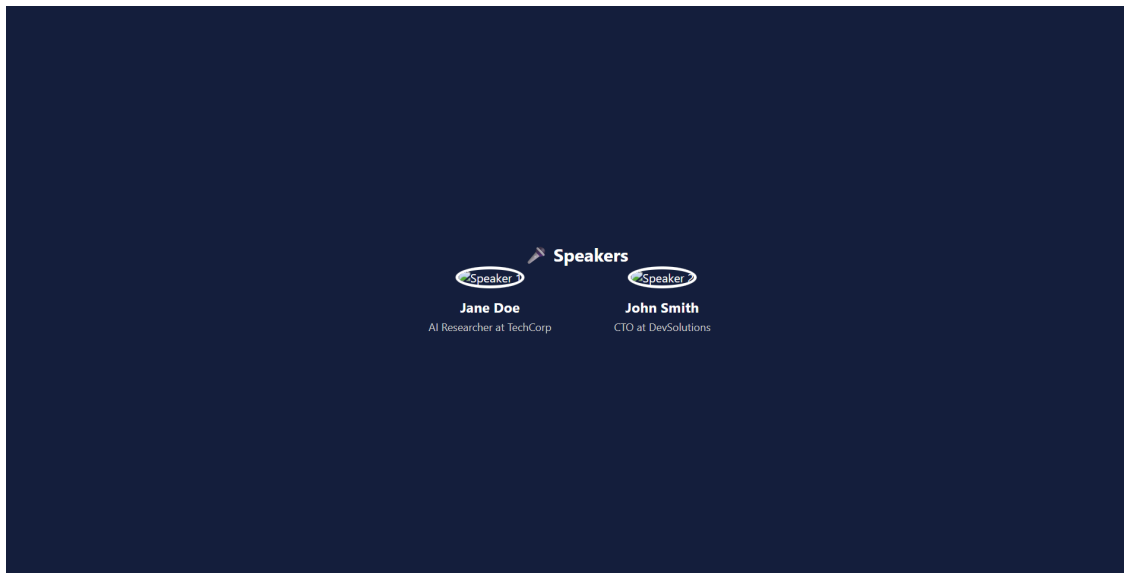
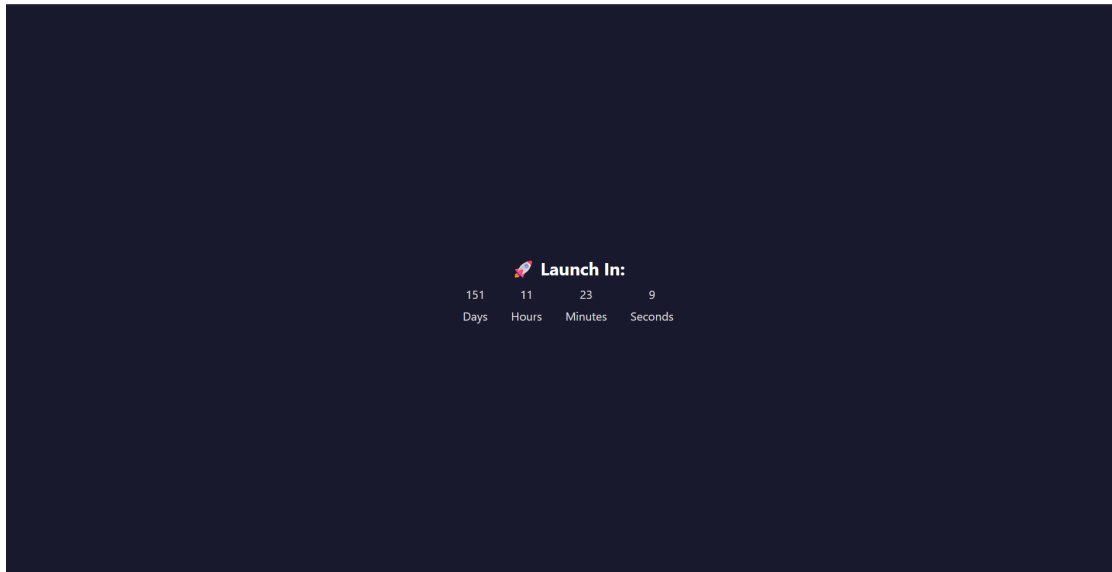
```

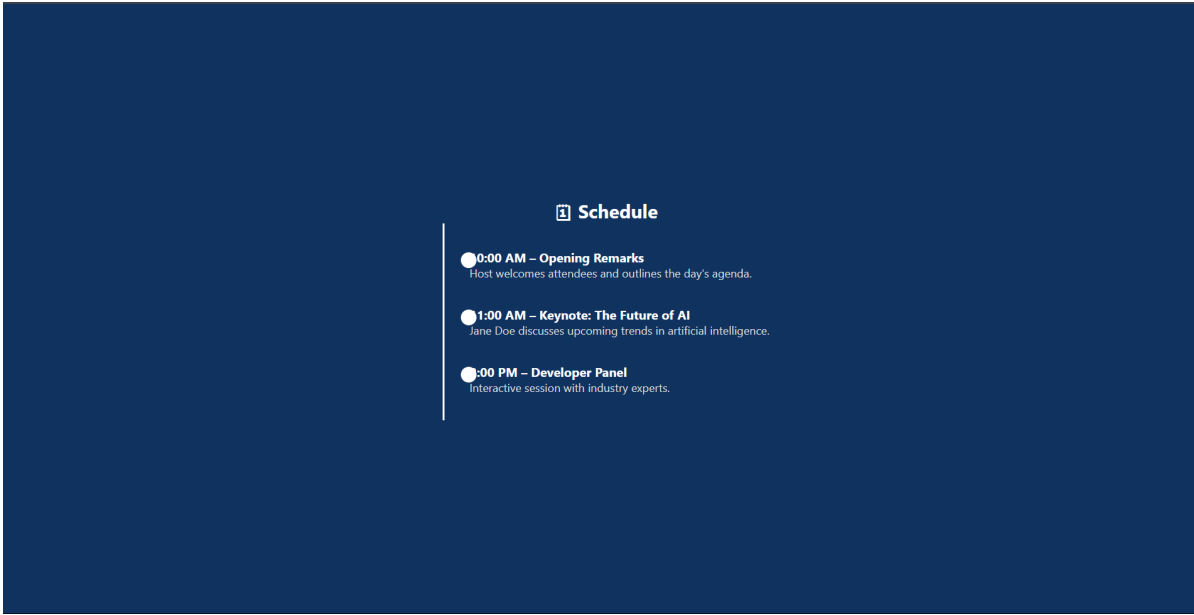
198     const h = Math.floor((gap % day) / hour);
199     const m = Math.floor((gap % hour) / minute);
200     const s = Math.floor((gap % minute) / second);
201
202     document.getElementById("days").innerText = d;
203     document.getElementById("hours").innerText = h;
204     document.getElementById("minutes").innerText = m;
205     document.getElementById("seconds").innerText = s;
206   };
207
208   setInterval(timer, 1000);
209 </script>
210
211 </body>
212 </html>

```

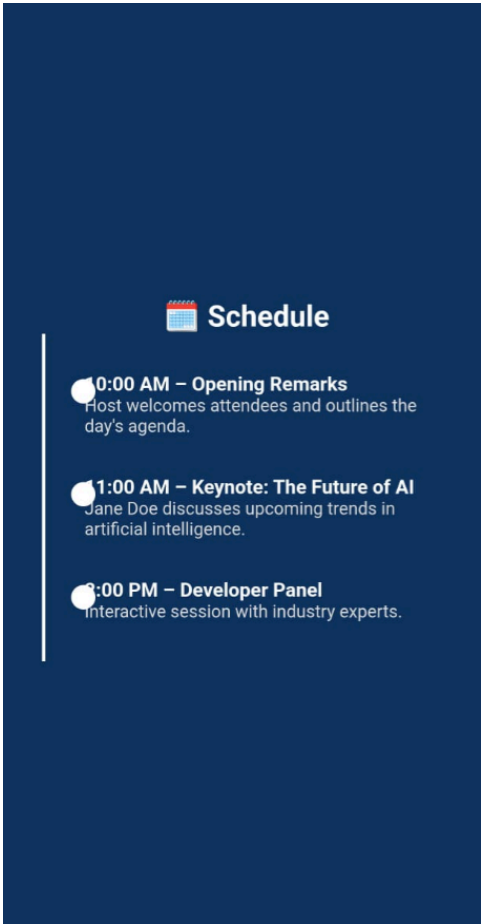
12. Screenshots of Final Output

Desktop layout with countdown banner

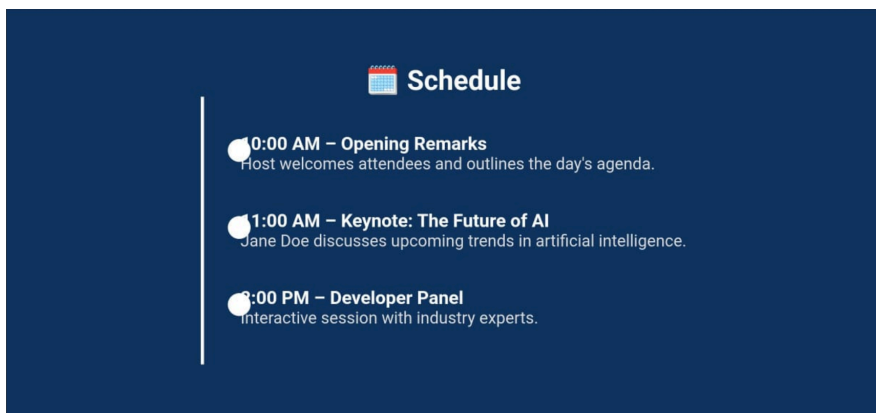
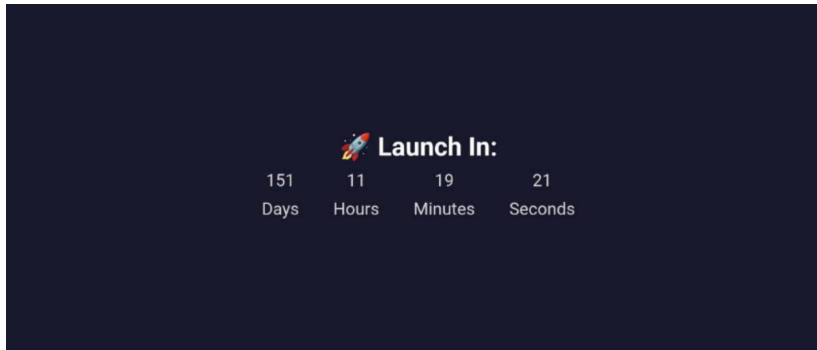




Mobile view showing donation form



Tablet view with hero section



13. Conclusion

The Event Countdown project enabled me to experiment with CSS animations and responsive units like vh and vw. It was an enriching experience to build an entire static landing page that felt dynamic without any JavaScript. This helped reinforce my layout, animation, and styling skills while focusing on performance and minimalism.

14. References

- L&T LMS: <https://learn.Intedutech.com/Landing/MyCourse>